

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-281721

(43)Date of publication of application : 31.10.1997

(51)Int.Cl.

G03G 5/05

G03G 5/05

C08L 69/00

(21)Application number : 08-111115

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(22)Date of filing : 09.04.1996

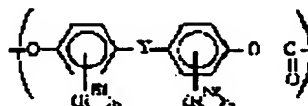
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## (54) ELECTROPHOTOGRAPHIC PHOTORECEPTOR

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To enhance abrasion resistance without deteriorating the merit of the electrophotographic organic photoreceptor by using a combination of a specified naphthalene type polycarbonate copolymer as a binder resin with a specified antioxidant.

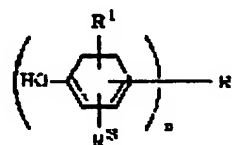
**SOLUTION:** The binder resin of this organic photoreceptive layer contains the naphthalene type polycarbonate copolymer comprising repeating units represented by formulae I and II in a molar ratio of the repeating units of formula II to the sum of those of formulae I and II of  $0.01 \leq [i-b]/[i-a]+[i-b]] \leq 0.5$ , and at least one kind of phenolic antioxidant represented by formula III and in formulae I-III, Y is a -O-, -CO-, -S- atom or atomic group or the like; each of R<sub>51</sub>-R<sub>54</sub> is, independently, an H atom or the like; each of (a) and (b) is an integer of 0-4; each of (c) and (d) is an integer of 0-3; each of R<sub>1</sub>-R<sub>3</sub> is an H atom or the like; (n) is an integer of 1-3; and [i-a] and [i-b] are the total numbers of the repeating units of formula I and formula II, respectively.



I



II



III

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

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